

KEY FEATURES

Signalling

- Fully compliant to MPT1327
- Includes MPT1343, RegioNet 43 and ANN dialling plan

Adaptable and versatile

- Option board expandability
- Easily programmed in the field to support additional features

Easy to use and set-up

- Programmable buttons for easy access to frequently used features
- Ruggedised design and compelling user interface
- 4 line display enables easy text messaging

Quality

- MIL Spec 810 compliant
- Meets IP54 environmental standards
- Passed Motorola Accelerated Life Test
- X-Pand™ voice compression technology

Efficiency

- Missed call alerts
- Dynamic regrouping for over the air configuration
- Talk Group Select mode
- Answering machine and voice recorder

Included as standard

- Battery
- Antenna
- Belt clip
- Accessory dust cover
- User manual

Accessory options

A wide range of accessory options are available to customise your radio

- Audio accessories
- Batteries and chargers
- Carry options

*For full details of available accessories,
please contact your local dealer or distributor*



GP1280
One Radio. Endless Possibilities.

The GP1280, one of the market-leading radios in Motorola's Professional Series, is an effective feature-packed communication solution for any organisation on MPT networks. The intuitive menu with full keypad and large display, together with one touch dialling and easy telephone interconnect, keeps users in touch to increase productivity.

With option board capability and a wide range of accessories available within the Professional Series; it's easy to build a tailored communications solution to meet your needs.

SPECIFICATIONS

GENERAL SPECIFICATIONS		
Channel Capacity	16 (Conventional Mode)	
Power Supply	Rechargeable battery 7.5v	
Dimensions: H x W x D (mm)	Height excluding knobs	
With Standard high capacity NiMH battery	152 x 57.5 x 37.5	
With NiCD battery	152 x 57.5 x 40.0	
With Li-Ion battery	152 x 57.5 x 33.0	
Weight: (gm)		
With Standard high capacity NiMH battery	460	
With Ultra high capacity NiMH battery	535	
With NiCD battery	485	
With Li-Ion battery	390	
Average battery Life @5/5/90 Cycle:	Low Power	High Power
With Standard high capacity NiMH battery	11 hours	8 hours
With Ultra high capacity NiMH battery	14 hours	11 hours
With NiCD battery	12 hours	9 hours
With Li-Ion battery	11 hours	8 hours
Sealing:	Withstands rain testing per MIL STD 810 C/D/E and IP54	
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603	
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL STD 810 C/D/E and TIA/EIA 603	
Operating temperature:	-20°C to +55°C	

PORTABLE MILITARY STANDARDS 810 C, D & E						
Applicable MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8,10	514.3	1	514.4	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4

Data for +25°C unless otherwise specified

TRANSMITTER	
*Frequencies - Full Bandsplit	VHF: 136-174 MHz UHF 1: 403-470 MHz UHF2: 450-527 MHz
Channel Spacing	12.5/20/25 kHz
Frequency Stability	±2.5ppm
(-25°C to +55°C, + 25°C Ref.)	
Power	136-174: 1-5W 403-470: 1-4W 450-527: 1-4W
Modulation Limiting	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
FM Hum & Noise	-40 dB typical
Conducted/Radiated Emission	-36 dBm<1 GHz -30 dBm >1 GHz
Adjacent Channel Power	-60 dB @ 12.5 kHz -70 dB @ 20/25 kHz
Audio Response (300-3000Hz)	+1 to -3 dB
Audio Distortion	3%

RECIEVER	
*Frequencies - Full Bandsplit	VHF: 136-174 mhZ UHF 1: 403-470MHz UHF 2: 450-527MHz
Channel Spacing	12.5/20/25 kHz
Frequency Stability	±2.5 ppm
(-25°C to +55°C, + 25°C Ref.)	
Sensitivity (12 dB SINAD) EIA	.25 µV typical
Sensitivity (20 dB SINAD) EN	.50 µV typical
Intermodulation EIA	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70dB
Rated Audio	0.5W
Audio Distortion @ Rated Audio	3% typical
Hum & Noise	-40 dB @ 12.5 kHz -50 dB @ 20/25 kHz
Audio Response (300-3000 Hz)	+1 to -3 dB
Conducted Spurious Emission	-57 dBm <1 GHz -47 dBm >1 GHz EN 300 086

*Availability subject to individual country's law and regulations.
Specifications are subject to change without notice and are issued for guidance only.
All specifications listed are typical. Radios meet applicable regulatory requirements.
Conforms to EC directive 89/336/EEC
Complies with EN 300 113
Contact your local Motorola Authorised Dealer to find out more about how communicating with the Professional Radio series will benefit your organisation.



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